

Converting Colors

CIELCh(47, 54.212, 103.844)

Have a look what the booklet for
CIELCh(47, 54.212, 103.844)
contains.

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Color

CIELCh(47, 54.185, 103.878)

Conversions

Conversions Part 1

Format	Color
Hex	727400
RGB	114, 116, 0
RGB Percent	45%, 45%, 0%
CMY	0.5536, 0.5457, 1.0000
CMYK	0.02, 0.00, 1.00, 0.55
HSL	61°, 100%, 23%
HSV	61°, 100%, 45%
XYZ	13.1428, 16.0195, 2.3924
YIQ	102.1780, 36.0440, -36.5000

Conversions

Conversions Part 2

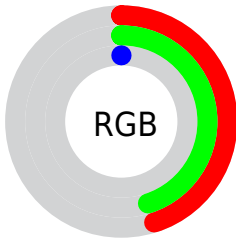
Format	Color
RYB	0, 116, 2
Decimal	7500800
CIELab	47.00, -13.00, 52.60
CIELCh	47, 54.185, 103.878
Yxy	16.0195, 0.4165, 0.5077
Android (android.graphics.Color)	4285690880 (0xFF727400)
YUV	102.1780, -50.3738, 10.3679
Hunter-Lab	40.0243, -11.4284, 24.4730

Details

The CIELCh color $47, 54.185, 103.878$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $11, 74.617, 306.376$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 54.234, 104.045$, and $27, 37.466, 107.768$ is the 20% darker color. If you saturate the color by 10%, you get $47, 54.133, 103.888$, and if you desaturate by 10%, it is $47, 51.690, 104.136$.

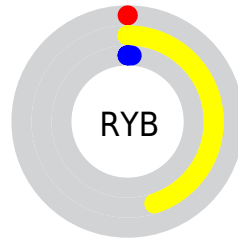
Distribution



Red (45%)

Green (45%)

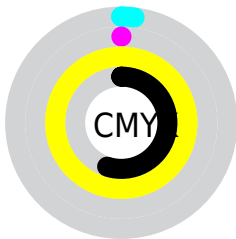
Blue (0%)



Red (0%)

Yellow (45%)

Blue (1%)

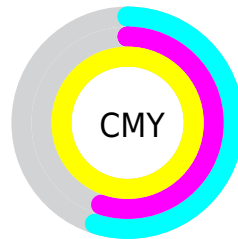


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (55%)

Magenta (55%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 54.185, 103.878 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 47, 54.185, 103.878 by changing the saturation by 10% instead.

 47, 54.185,
103.878

 47, 54.185,
103.878

 100, 54.185,
103.878

 37, 54.185,
103.878

 67, 54.185,
103.878

 27, 54.185,
103.878

 77, 54.185,
103.878

 17, 54.185,
103.878

 87, 54.185,
103.878

 7, 54.185, 103.878

 97, 54.185,
103.878

 0, 54.185, 103.878

 47, 54.185,

 47, 54.185,

103.878

103.878

■ 47, 54.133,
103.888

■ 47, 51.690,
104.136

■ 47, 48.487,
104.495

■ 47, 44.111,
105.029

■ 47, 38.851,
105.701

■ 47, 32.982,
106.472

■ 48, 26.715,
107.309

■ 48, 20.199,
108.185

■ 48, 13.533,
109.078

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47, 54.185, 103.878



11, 74.617, 306.376

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47, 54.185, 103.878



47, 54.185, 153.878



47, 54.185, 283.878



47, 54.185, 333.878

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47, 54.133, 103.888



61, 25.010, 108.117



23, 56.109, 37.834



32, 17.155, 107.822



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 54.133, 103.888



60, 65.395, 103.914



43, 60.838, 127.906



25, 3.858, 110.057



50, 56.309, 103.894



95, 95.468, 103.951

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11, 74.617, 306.376



17, 90.174, 306.353



17, 69.143, 312.751



22, 3.937, 291.722



12, 77.623, 306.371



32, 131.706, 306.322

Previews

White Background



This preview shows how the CIELCh color 47, 54.185, 103.878 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 47, 54.185, 103.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

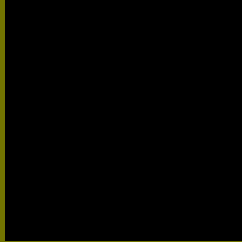
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 54.185, 103.878

Background



This preview shows how black text looks on a background with the CIELCh color 47, 54.185, 103.878.



This preview shows how white text looks on a background with the CIELCh color 47, 54.185, 103.878.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47, 54.185, 103.878

Protanopia

47, 53.311, 95.422

Deuteranopia

47, 49.886, 83.125



Tritanopia
47, 7.427, 340.818

Trichromacy



Original Color
47, 54.185, 103.878

Protanomaly
47, 53.355, 98.104

Deuteranomaly
47, 50.894, 91.429

Tritanomaly
47, 21.940, 97.552

Monochromacy



Original Color
47, 54.185, 103.878

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 24.587, 107.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 54.185, 103.878 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(114, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(114, 116, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(114, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 116, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 54.185, 103.878 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 116, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(114, 116, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(114, 116, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(114, 116,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 54.185, 103.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 116, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(114,  
116, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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